



Japanese Kokai Patent Application No. Sho 53[1978]-144760
[Selected portions, as requested]

Job No.: 2228-92175

Translated from Japanese by the Ralph McElroy Translation Company
910 West Avenue, Austin, Texas 78701 USA

Ref.: JP 53-144760

Table 1

	A 液 (1)	B 液 (2)
カルボキシ化 NBR (3)	10 (重量部) (4)	10 (重量部) (5) [商品名ヘイカー 1072]
メチルメタクリレート (6)	60 (4)	60 (5)
2-ヒドロキシエチルメタクリレート (7)	30	50
シランカップリング剤 (8)	1	1 [商品名 A-172 (9) (日本ユニカー社)]
パラフィン (10)	0.5	0.5
キュメンハイドロパーオキシド (11)	5	
エチレンチオ尿素 (12)		1

- Key:
- 1 Liquid A
 - 2 Liquid B
 - 3 Carboxylated NBR
 - 4 (Parts by weight)
 - 5 (Parts by weight) (commercial name: HAIKA-1072 [transliteration])
 - 6 Methyl methacrylate
 - 7 2-Hydroxyethyl methacrylate
 - 8 Silane coupling agent
 - 9 (Commercial name: A-172) (product of Japan Unitika Co., Ltd.)
 - 10 Paraffin
 - 11 Cumene hydroperoxide
 - 12 Ethylene thiourea

Table 2

	A 液 (1)	B 液 (2)
末端メタクリレート化ポリブタジエン (3)	55 (重量部) (4)	55 (重量部) (5) [商品名 TE-2000 (日産社)]
メチルメタクリレート (6)	22.5	22.5
2-ヒドロキシエチルメタクリレート (7)	22.5	22.5
シランカップリング剤 (8)	1.0	1.0 [商品名 A-172 (9) (日本ユニカー社)]
キュメンハイドロパーオキシド (10)	2.0	
ジメチルパタリジン (11)	0.2	
ナフテン酸コバルト (12) (Co 含量 6%)		2.0

- Key:
- 1 Liquid A
 - 2 Liquid B
 - 3 Terminal methacrylated polybutadiene
 - 4 (Parts by weight)
 - 5 (Parts by weight) (commercial name: TE-2000 (product of Nisso K.K.))
 - 6 Methyl methacrylate

- 7 2-Hydroxyethyl methacrylate
- 8 Silane coupling agent
- 9 (Commercial name: A-172) (product of Japan Unitika Co., Ltd.)
- 10 Cumene hydroperoxide
- 11 Dimethyl para-toluidine
- 12 Cobalt naphthenate (Co content of 6%)

Expand Details++

Cold-hardening two-component adhesive compsn. - based on soln. of methyl methacrylate! in alkyl methacrylate! and selected di: or tri:methacrylate! ester cpds.

Assignee: **HERAEUS KULZER GMBH** Standard company (HERA...)
 Inventor: **EPPINGER B; KRAHMER M;**
 Accession / Update: **1991-311903 / 199143**

IPC Code: **C09J 133/00 ; C08F 4/40 ; C08F 220/10 ; C08J 5/12 ; C08L 69/00 ; C09J 4/02 ;**

Derwent Classes: **A81; G03; A14; A23;**

Manual Codes: **A02-A01**(Peroxides, persalts) , **A04-A03**(Monomers containing more than two double C-C bonds) , **A04-B09** (Esters containing 2 non-conjugated C-C double bonds) , **A04-F06B**(Compositions) , **A04-F06E6**(Adhesives and binders) , **A05-E06**(Polycarbonates; poly-thiocarbonates) , **A11-C01D**(Other bonding, general) , **A12-A05B1** (Acrylic) , **G03-B02D1**(Acrylic polymers) , **G03-B03** (Adhesive processes, general)

Derwent Abstract

DERWENT RECORD

(EP0452540A) Adhesive (I) consists of (A) first component comprising (A1) 5-50% (all pts. wt.) alkyl methacrylate, (A2) 1-60% 2,2-bis(4- (methacryloyl oxyalkoxyphenyl))propane, dimethacrylate of an alkanediol, and/or trimethacrylate of an alkanetriol, (A3) 1-60% poly-Me methacrylate, (A4) 0.5-5% organic peroxide. (B) second component comprising (B1)-(B3) same as (A1)-(A3) above and (B4) 0.5-5% amine.
USE/Advantage - Prepn. of adhesive bonds between shaped articles of polycarbonate, opt. reinforced with glass and/or C fibres (claimed). (I) contain no solvent, are storage-stable, can be used at room temp., and give bonds solid at -35 to +85 deg.C and resistant to water and fuel.

Abstract info: **EP0452540A: Dwg.0/0 , EP0452540B: Dwg.0/0**

Family:

Patent	Pub. Date	DW Update	Pages	Language	IPC Code
EP0452540A *	Oct. 23, 1991	199143		English	C09J 133/00
Des. States: (R) DE FR GB					
Local appls.: EP1990000119713 ApplDate:1990-10-15 (90EP-0119713)					
DE59003899G =	Jan. 27, 1994	199405		German	C09J 133/00
Local appls.: Based on EP00452540 (EP 452540)					
EP1990000119713 ApplDate:1990-10-15 (90EP-0119713)					
DE1990000503899 ApplDate:1990-10-15 (90DE-0503899)					
EP0452540B1 =	Dec. 15, 1993	199350	5	German	C09J 133/00

Des. States: (R) DE FR GB
 Local appls.: EP1990000119713 ApplDate:1990-10-15 (90EP-0119713)
 DE4012720A = Oct. 24, 1991 199144 German C08F 4/32
 Local appls.: DE1990004012720 ApplDate:1990-04-21 (90DE-4012720)

Priority Number:

Application Number	Application Date	Original Title
DE1990004012720	April 21, 1990	KLEBSTOFF ZUM VERBINDEN VON FORMTEILEN AUS POLYCARBONAT-KUNSTSTOFFEN

Unlinked Registry Numbers:
 Polymer Multipunch Codes:

0610U 5086U 5163U 5214U
 Show polymer multipunch codes

Citations:

DE2202040 : ANAEROBE KLEBSTOFFMASSE
 DE3310904 : RADIKALISCH HAERTENDE KLEBSTOFFE AUF BASIS VON A,A-VERKNUEPFTEN BISACRYLATEN
 DE3632868 : DENTAL-KLEBMITTEL
 FR02107767

Related Accessions:

Accession Number	Type	Derwent Update	Derwent Title
C1991-135043	C		
1 item found			

Title Terms:

COLD HARDEN TWO COMPONENT ADHESIVE COMPOSITION BASED SOLUTION METHYL POLYMETHACRYLATE ALKYL POLYMETHACRYLATE SELECT DI TRI POLYMETHACRYLATE ESTER COMPOUND

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Patent / Accession Numbers

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